FIG.1

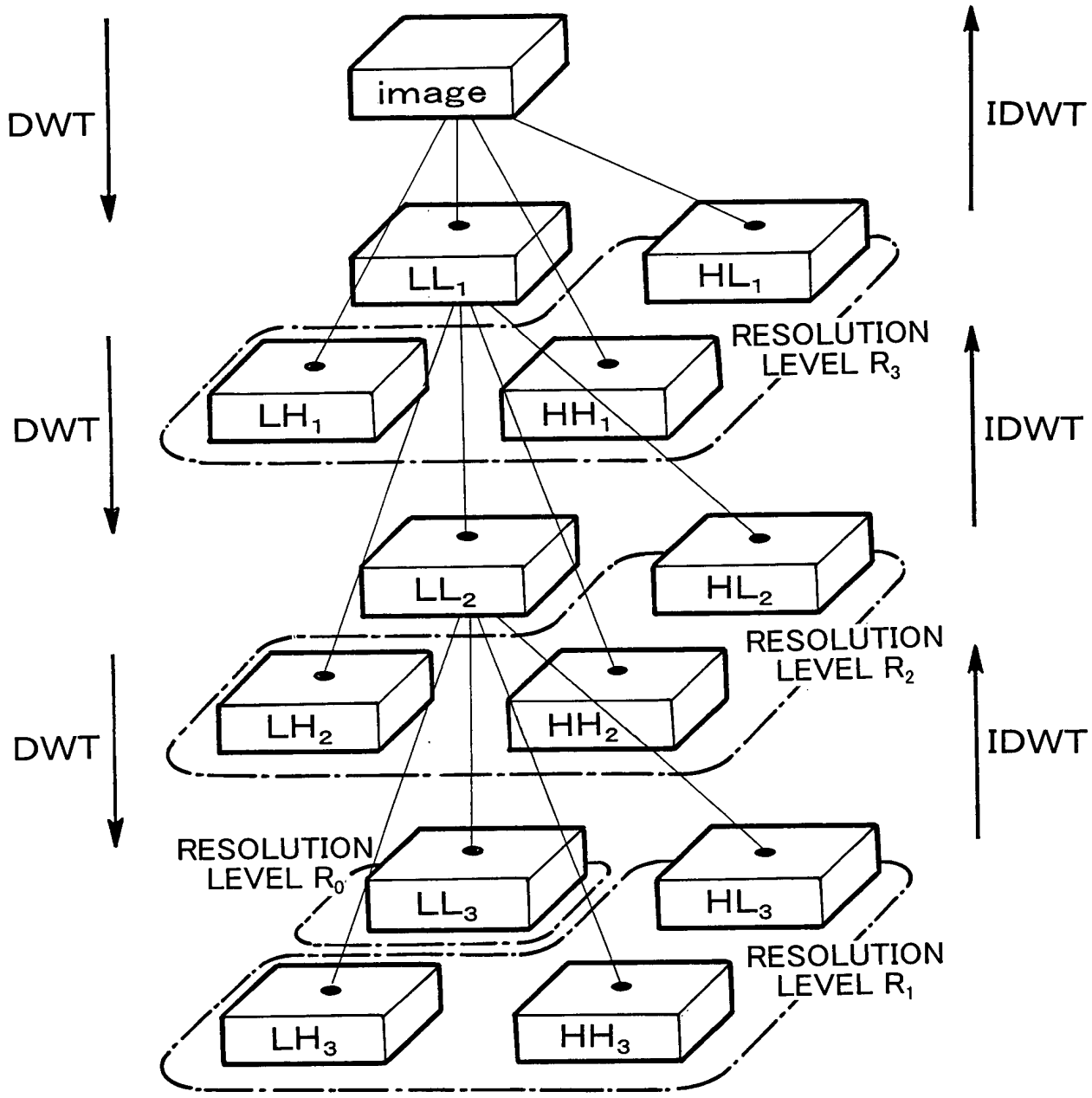
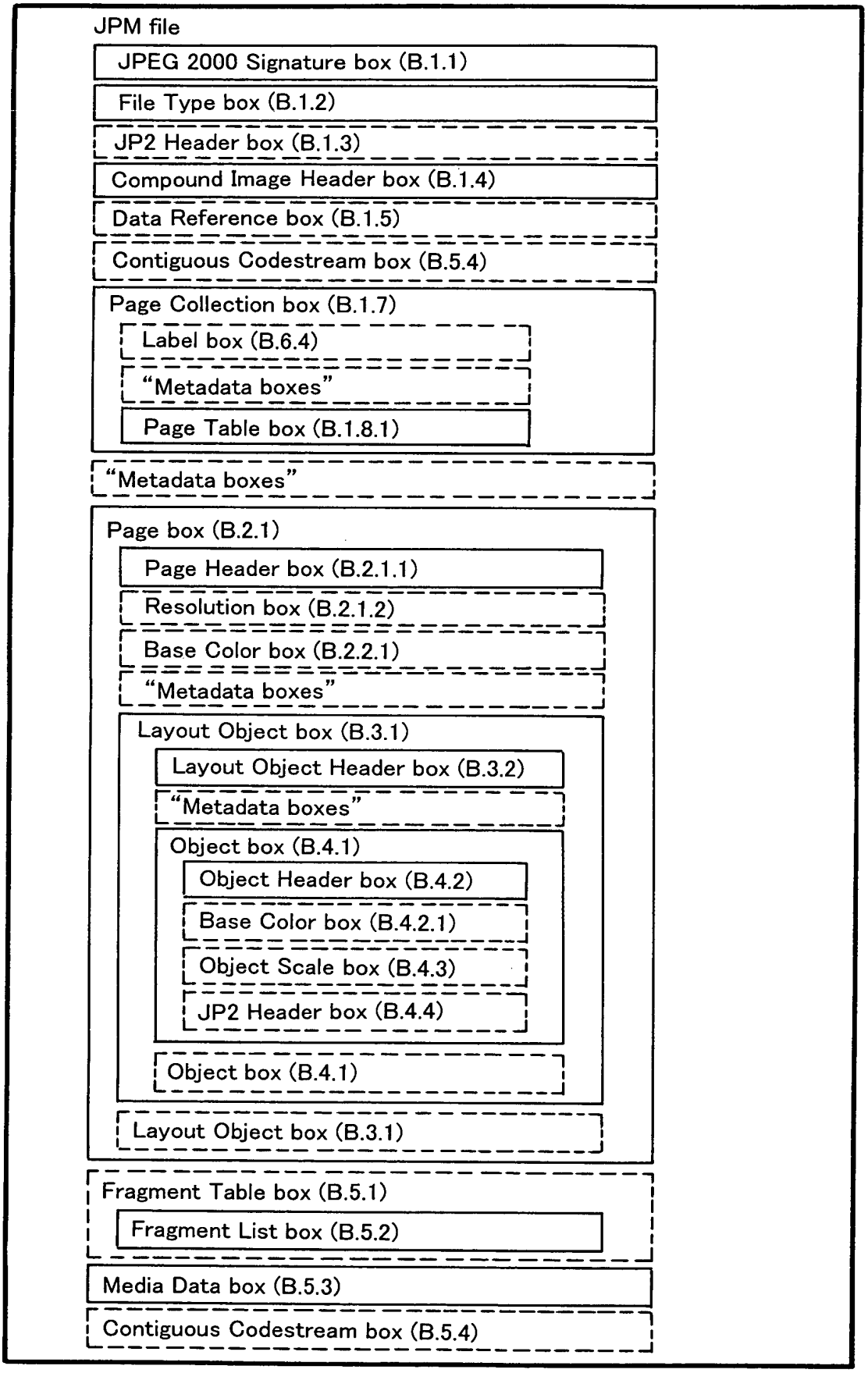


image
DWT
IDWT
LL1
HL1
RESOLUTION LEVEL R3
LH1
HH1
LL2
HL2
RESOLUTION LEVEL R2
LH2
HH2
RESOLUTION LEVEL R0
LL3
HL3
RESOLUTION LEVEL R1
LH3
HH3

Title: IMAGE EXPANDING APPARATUS AND METHOD THEREOF
Inventor(s): Takashi NOZU
DOCKET NO.: 040447-0251

FIG.2



Title: IMAGE EXPANDING APPARATUS AND METHOD THEREOF
Inventor(s): Takashi NOZU
DOCKET NO.: 040447-0251

FIG.3

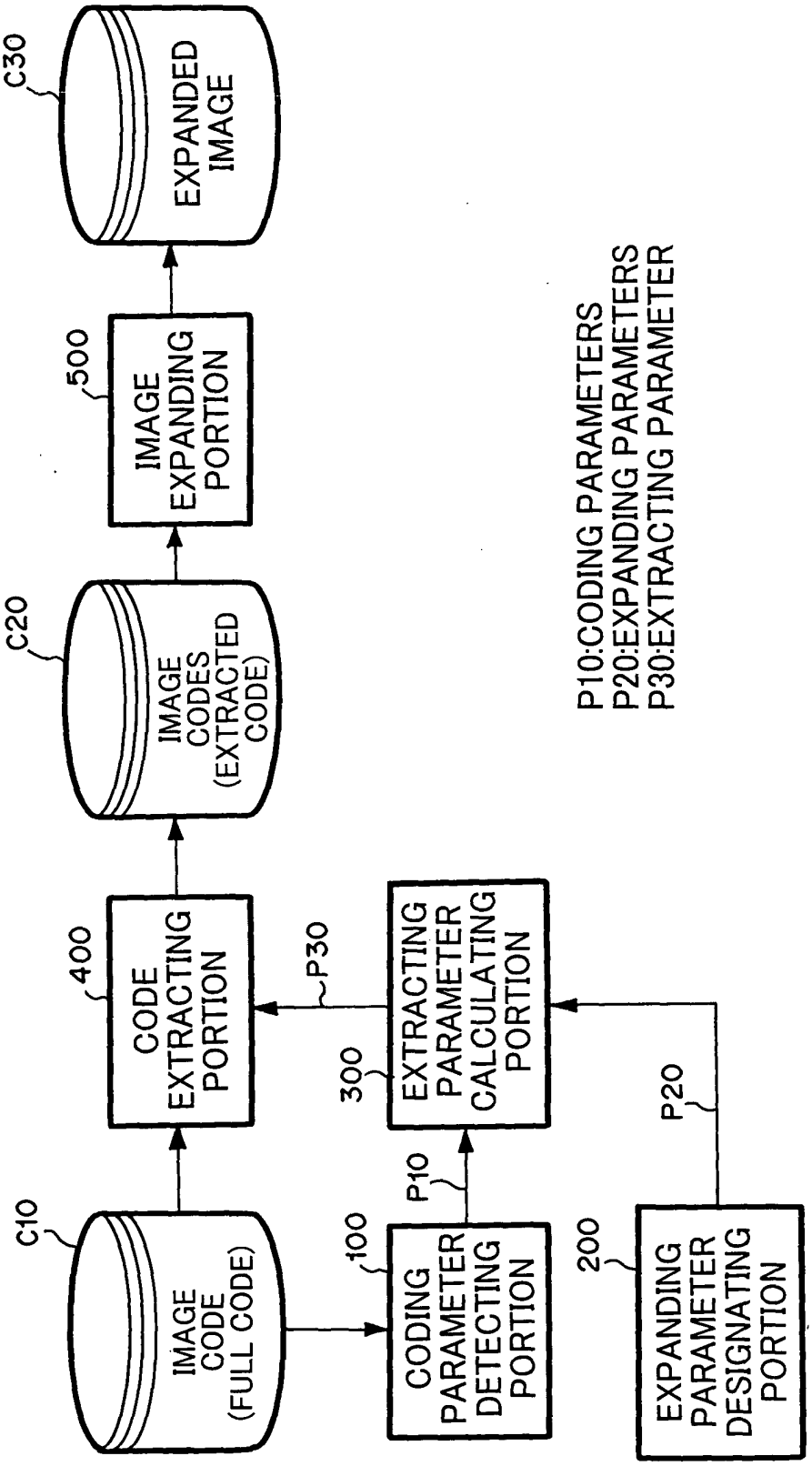


FIG.4

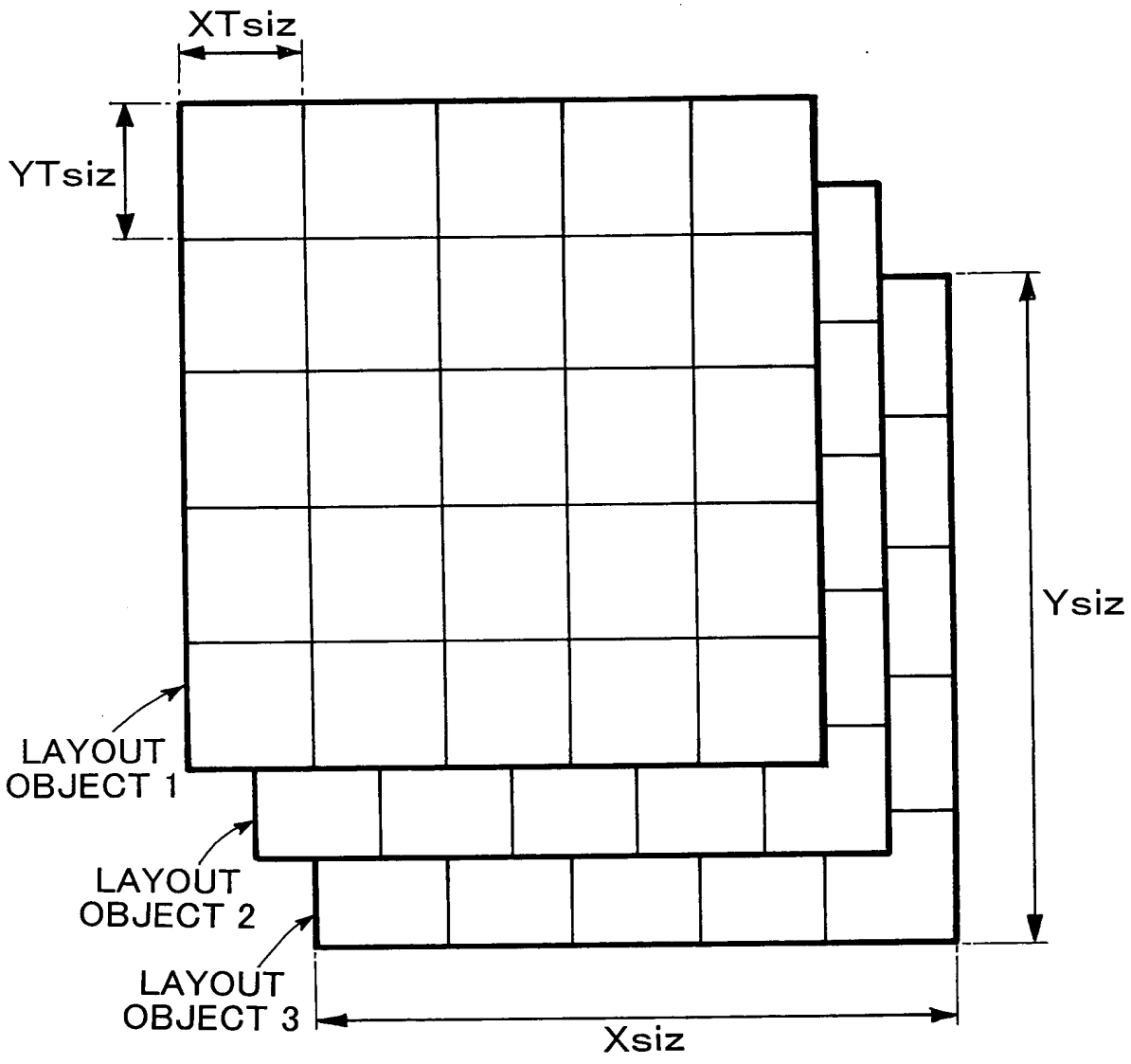

XTsiz
YTsiz
Ysiz
LAYOUT
OBJECT 1
LAYOUT
OBJECT 2
LAYOUT
OBJECT 3
Xsiz

FIG.5

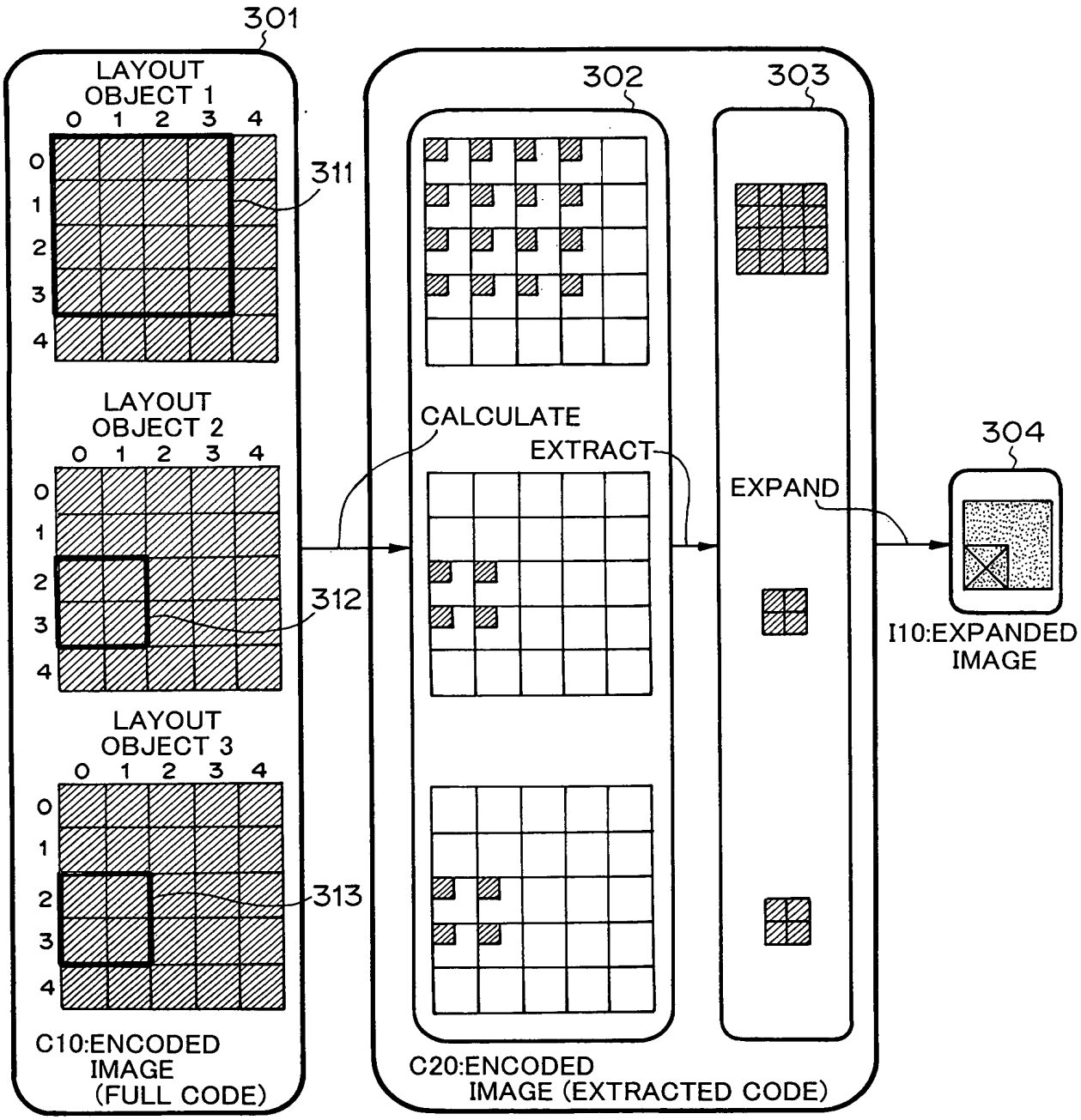
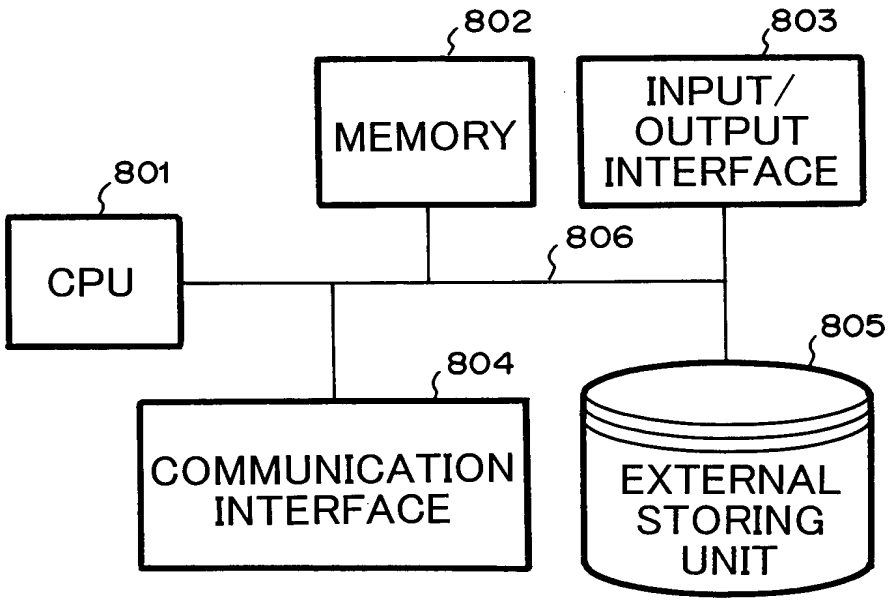

301
LAYOUT OBJECT 1
0 1 2 3 4
311
LAYOUT OBJECT 2
312
LAYOUT OBJECT 3
313
C10:ENCODED IMAGE (FULL CODE)
302
303
CALCULATE
EXTRACT
EXPAND
304
I10:EXPANDED IMAGE
C20:ENCODED IMAGE (EXTRACTED CODE)

FIG.6


802
803
MEMORY
INPUT/
OUTPUT
INTERFACE
801
806
CPU
805
804
COMMUNICATION
INTERFACE
EXTERNAL
STORING
UNIT